

# HITACHI

**53SBX01**      PROJECTION COLOR TV

## OPERATING GUIDE

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## IMPORTANT

Follow all warnings and instructions marked on this projection television.



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER (OR BACK).  
NO USER SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### WARNING:

**TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS COLOR TELEVISION TO RAIN OR MOISTURE.**

**NOTE:**

- There are no user serviceable parts inside the television.
- Model and serial numbers are indicated on back side of the television.
- This television is not intended for use in a computer room.



**CAUTION:** Adjust only those controls that are covered in the instructions, as improper changes or modifications not expressly approved by Hitachi could void the user's warranty.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

**MODIFICATIONS:** The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Hitachi America, Ltd. Home Electronics Division may void the user's warranty.

**POWER SOURCE:**

This projection television is designed to operate on 120 volts 60Hz, AC current. Insert power cord into a 120 volt 60Hz outlet.

**TO PREVENT ELECTRIC SHOCK, DO NOT USE THE TELEVISION'S (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES AND GROUND TERMINAL CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.**

**NEVER CONNECT THE TV TO 50Hz, DIRECT CURRENT, OR ANYTHING OTHER THAN THE SPECIFIED VOLTAGE.**

**NOTE:** This television receiver will display television closed captioning ( or ) in accordance with paragraph 15.119 of the FCC rules.



**CAUTION:** Never remove the back cover of the television as this can expose you to very high voltages and other hazards. If the television does not operate properly, unplug the television and call your authorized dealer or service shop. pg.



**3 SAFETY TIPS**

## IMPORTANT SAFEGUARDS

SAFETY POINTS YOU SHOULD KNOW ABOUT  
YOUR HITACHI PROJECTION TELEVISION

**CAUTION:**

- Read all of these instructions.
- Save these instructions for later use.
- Follow all warnings and instructions marked on the television.

Our reputation has been built on the quality, performance, and ease of service of HITACHI televisions.

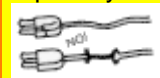
Safety is also foremost in our minds in the design of these units. To help you operate these products properly, this section illustrates safety tips which will be of benefit to you. Please read it carefully and apply the knowledge you obtain from it to the proper operation of your HITACHI television.

Please fill out your warranty card and mail it to HITACHI. This will enable HITACHI to notify you promptly in the improbable event that a safety problem should be discovered in your product model.

**FOR YOUR PERSONAL SAFETY**



1 This television set is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.



2 When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.



3 Do not overload wall outlets and extension cords as this can result in fire or electric shock.



4 Do not allow anything to rest on or roll over the power cord, and do not place the television where the power cord is subject to traffic or abuse. This may result in a shock or fire hazard.



5 Do not attempt to service this television yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



6 Never push objects of any kind into this television set through the television cabinet's slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television.



7 If the television has been dropped or the cabinet has been damaged, unplug this television from the wall outlet and refer servicing to qualified service personnel.



8 If liquid has been spilled into this television set, unplug it from the wall outlet and refer service to qualified service personnel.



9 Do not subject your television to impact of any kind. Be careful not to damage the picture tube surface.



10 Unplug this television from the wall outlet before cleaning. Use a damp cloth for cleaning. Do not use liquid or aerosol cleaners.



11-1 Do not place this television on an unstable cart, stand, or table. The television may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television. Wall or shelf mounting should follow the Wall/Shelf mounting manufacturer's instructions, and should use a mounting kit approved by the manufacturer.



11-2 An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

### **PROTECTION AND LOCATION OF YOUR TELEVISION**

12 Do not use the television near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.



• Never expose the television to rain or water. If the set has been exposed to rain or water, unplug television from wall outlet

and refer to qualified service personnel.

13 Choose a place where light (artificial or sunlight) does not shine directly on the screen.



14 Avoid dusty places. Accumulated dust inside the chassis may cause failure of the television when high humidity persists.



15 The television has slots, or openings in the cabinet for ventilation purposes which provide reliable operation of the receiver and protect the television from overheating. These openings must not be blocked or covered.

- Never cover the slots or openings with cloth or other material.



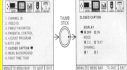
- Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.



- Never place the set near or over a radiator or heat generator.



- Never place the television in a built-in enclosure unless proper ventilation provided.

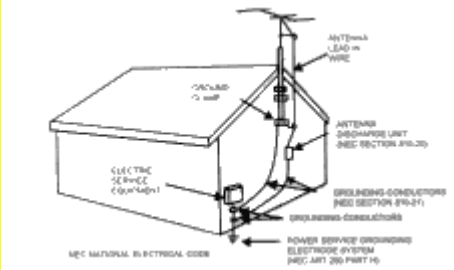


pg. 4 SAFETY TIPS (cont.)



## PROTECTION AND LOCATION OF YOUR TELEVISION

16-1 If an outside antenna is connected to the television, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit connection to grounding electrode, and requirements for the grounding electrode.

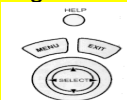


EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS.

16-2 **Note to CATV system installer:** (Only for television with CATV reception) This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.



17 An outside antenna system should not be located in the vicinity of overhead power lines or other electrical lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.



18 For added protection for the television during a lightning storm, or when it is unused for long periods of time, unplug it from the wall outlet and disconnect antenna. This will prevent damage due to lightning and power-line surges.

## OPERATION OF YOUR TELEVISION



19 This television should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your dealer or local power company. For televisions designed to operate from battery power, refer to the operating instructions.



20 If the television does not operate normally by following the operating instructions, unplug the television from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified service technician to restore the television to normal operation.



21 If your television is to remain unused for a period of time, (such as when going on a holiday), turn the television OFF and unplug it from the wall outlet.

### IF THIS TELEVISION DOES NOT OPERATE PROPERLY



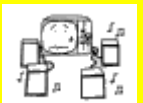
22 If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the television and call your dealer or service technician.

23 Whenever the television is damaged or fails, or if there is a distinct change in performance that indicates a need for service, unplug the television and have it checked by a qualified service technician.



24 It is normal for some televisions to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.

## FOR SERVICING AND MODIFICATION



25 Do not use attachments not recommended by the television manufacturer as they may cause hazards.

26 If replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.



27 Upon completion of any service or repairs to the television, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

### Picture Burn Prevention

- Continuous on-screen displays such as video games, stock market quotations, computer generated graphics, and other fixed (non-moving) patterns can cause permanent damage to projection television receivers. Such "PATTERN BURNS" constitute misuse and are NOT COVERED by your HITACHI Factory Warranty.

- When using Picture-in-Picture function, the sub-picture should not be left permanently in one corner of the

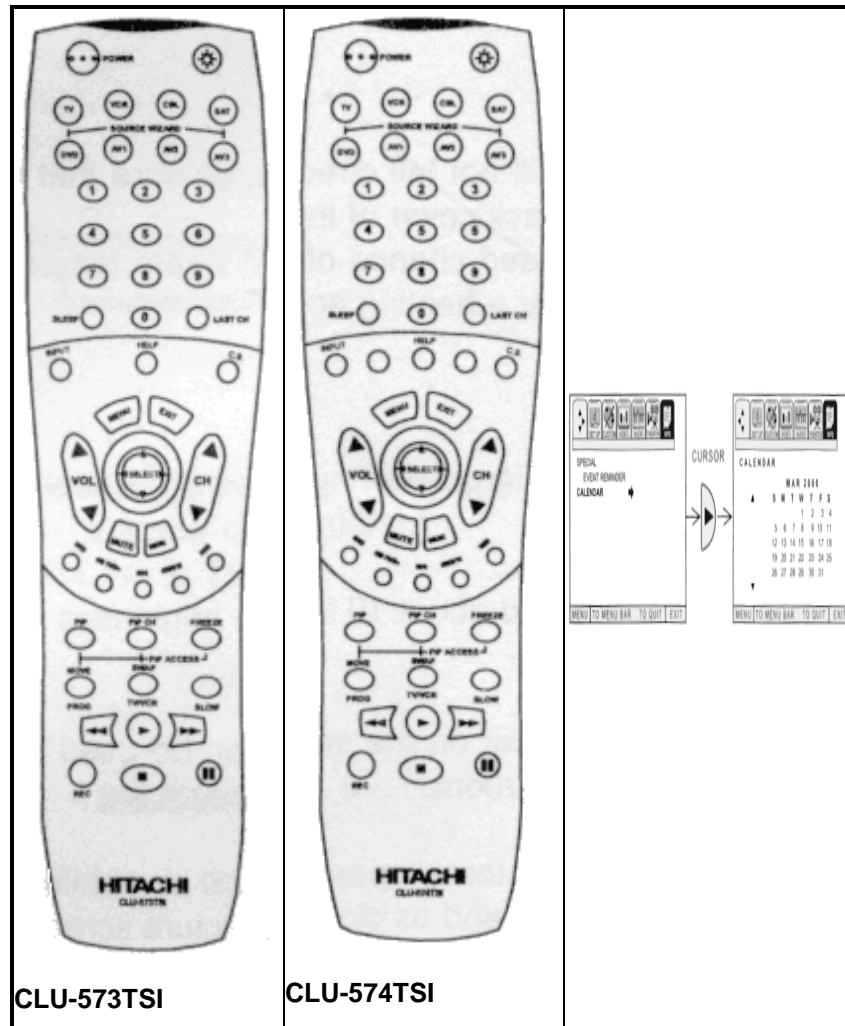
screen or a "PATTERN BURN" may develop over a long period of time.

### Public Viewing of Copyrighted Material

Public viewing of programs broadcast by TV stations and cable companies, as well as programs from other sources, may require prior authorization from the broadcaster or owner of the video program material.

## ACCESSORIES

Check to make sure that you have the following accessories before disposing of the packing material.



1. Remote Control Unit CLU-573TSI ( Part No. HL01323) or CLU 574TSI (Part No. HL01324).
2. Two "AA" size, 1.5V batteries (For Remote Control Unit).pg. 5 (cont.)

REMOTE

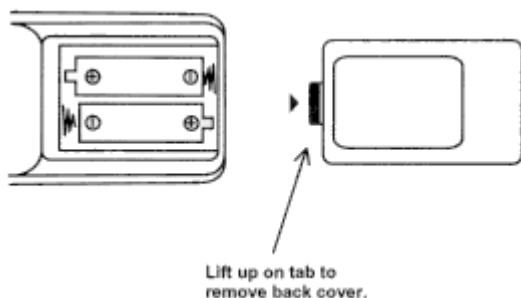
### CONTROL BATTERY INSTALLATION AND REPLACEMENT



1. Open the battery cover of the remote control by pushing the notched part of the cover with your fingers and pulling the cover off.
2. Insert two new "AA" size batteries for the remote control. When replacing old batteries, push them towards the springs and lift them out.
3. Match the batteries to the (+) and (-) marks in the battery compartment.
4. Replace the cover.

### BOTTOM VIEW





pg. 6 HOW TO SET UP YOUR NEW HITACHI PROJECTION

TV

## ANTENNA

Unless your TV is connected to a cable TV system or to a centralized antenna system, a good outdoor color TV antenna is recommended for the best performance. However, if you are located in an exceptionally good signal area that is free from interference and multiple image ghosts, an indoor antenna may be sufficient.

## LOCATION

Select an area where sunlight or bright indoor illumination will not fall directly on the picture screen. Also, be sure that the location selected allows a free flow of air to and from the perforated back cover of the set.

To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot, for example, in direct sunlight or near a heating appliance, etc.

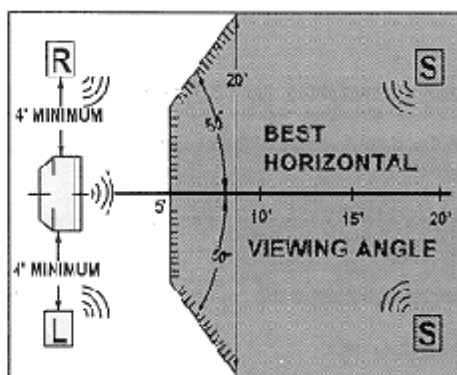
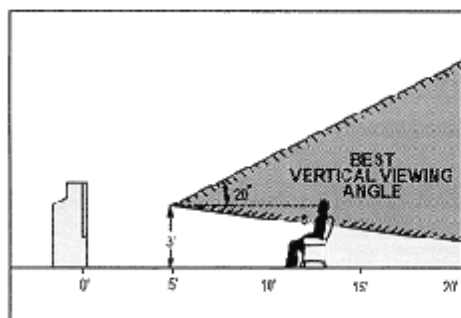
## VIEWING

The major benefit of the HITACHI Projection Television is its large viewing screen. To see this large screen at its best, test various locations in the room to find the optimum spot for viewing.

The best picture is seen by sitting directly in front of the TV and about 10 to 18 feet from the screen. Picture brightness decreases as the viewer moves to the left and right of the receiver.

During daylight hours, reflections from outside light may appear on the screen. If so, drapes or screens can be used to reduce the reflection or the TV can be located in a different section of the room.

If the TV's audio output will be connected to a Hi-Fi system's external speakers, the best audio performance will be obtained by placing the speakers equidistant from each side of the receiver cabinet and as close as possible to the height of the picture screen center. For best stereo separation, place the external speakers at least four feet from the side of the TV, place the surround speakers to the side or behind the viewing area. Differences in room sizes and acoustical environments will require some experimentation with speaker placement for best performance.

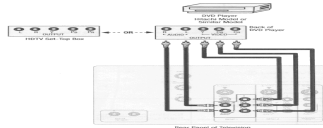


**CAUTION:** Magnetic fields, such as those of external speakers, may cause the picture to distort if they are placed too close to the television. Move the magnetic field source away from the television until there is no picture distortion.pg. 7

## HOOK-UP CABLES AND CONNECTORS



Most video/audio connections between components can be made with shielded video and audio cables that have phono connectors. For best performance, video cables should use 75-Ohm coaxial shielded wire. Cables can be purchased from most stores that sell audio/video products. Below are illustrations and names of common connectors. Before purchasing any cables, be sure of the output and input connector types required by the various components and the length of each cable.



### 300-Ohm Twin Lead Connector

This outdoor antenna cable must be connected to an antenna adaptor (300-Ohm to 75-Ohm).



### Phono Connector

Used on all standard video and audio cables which connect to inputs and outputs located on the television's rear jack panel and front control panel.



### "F" Type 75-Ohm Coaxial Antenna Connector

For connecting RF signals (antenna or cable TV) to the antenna jack on the television.



### S-Video (Super Video) Connector

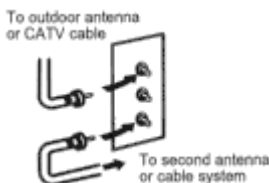
This connector is used on camcorders, VCRs, and laserdisc players with an S-Video feature in place of the standard video cable to produce a high-quality picture.

## ANTENNA CONNECTIONS TO REAR JACK PANEL

### VHF (75-Ohm) antenna/CATV (Cable TV)

When using a 75-Ohm coaxial cable system, connect the outdoor antenna or CATV coaxial cable to the ANT A (75-Ohm) terminal. If you have a second antenna or cable TV system, connect the coaxial cable to the ANT B terminal.

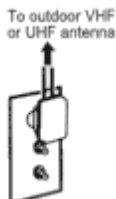
To outdoor antenna or CATV cable



### VHF (300-Ohm) antenna/UHF antenna

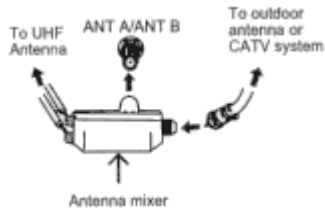
When using a 300-Ohm twin lead from an outdoor antenna, connect the VHF or UHF antenna leads to screws of the VHF or UHF adaptor. Plug the adaptor into the antenna terminal on the TV.

To outdoor VHF or UHF Antenna



### When both VHF and UHF antennas are connected

Attach an optional antenna cable mixer to the TV antenna terminal, and connect the cables to the antenna mixer. Consult your dealer or service store for the antenna mixer.

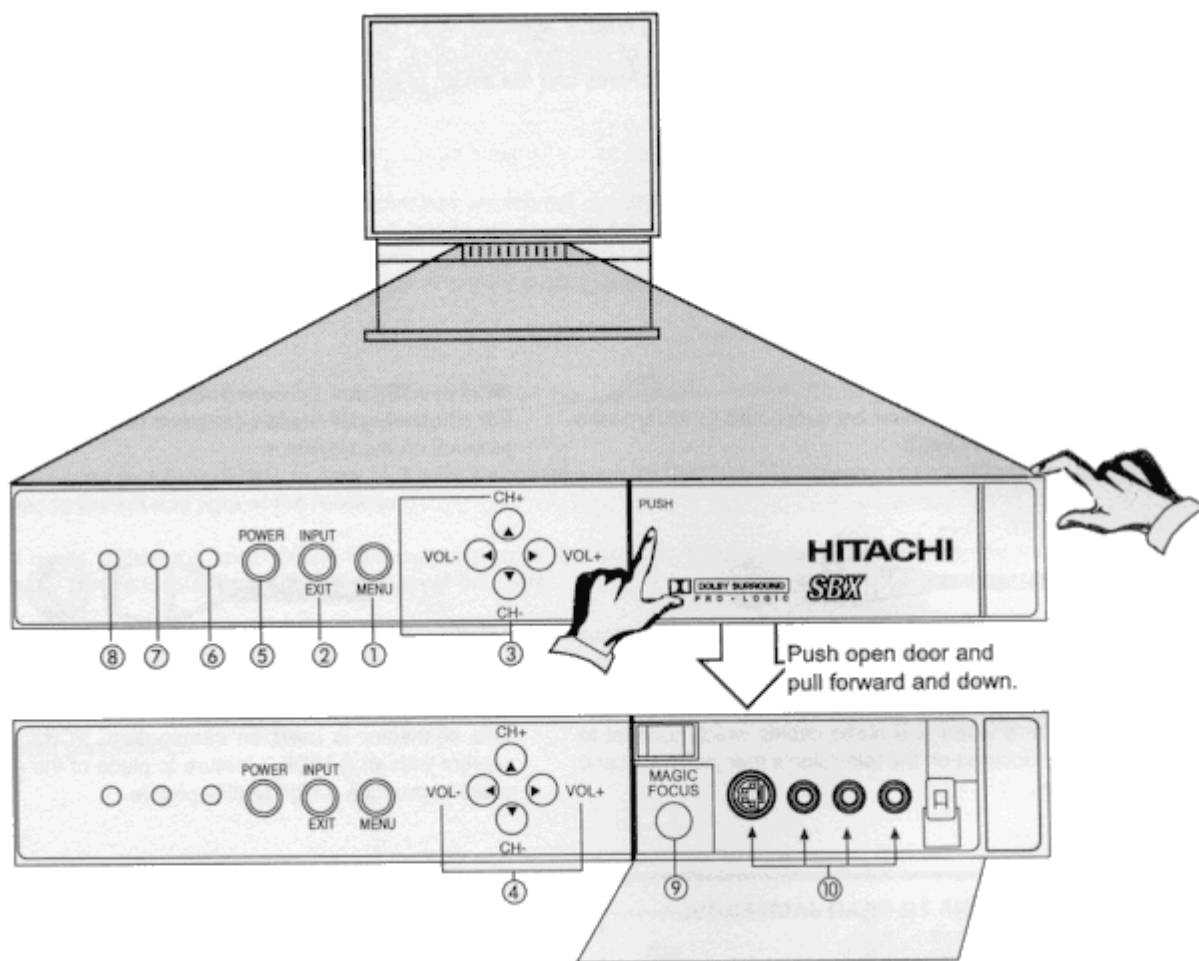


pg. 8

## FRONT PANEL CONTROLS



### FRONT VIEW



#### MENU Button

This button allows you to enter the MENU, making it possible to set TV features to your preference without using the remote.

#### INPUT/EXIT button

Press this button to select the current antenna source, VIDEO: 1, 2, 3, or alternate antenna source. Your selection is shown in the top right corner of the screen. This button also serves as the EXIT button when in MENU mode.

#### CHANNEL Selector

Press these buttons until the desired channel appears at the top right corner of the TV screen. These buttons also serve as the cursor down (▼) and up (▲) buttons when in MENU mode.

#### VOLUME Level

Press these buttons for your desired sound level. The volume level will be displayed on the TV screen. These buttons also serve as the cursor left (◀) and right (▶) buttons when in MENU mode.

## POWER Button

Press this button to turn the TV on or off.

### NOTES:

Your HITACHI Projection TV will appear to be turned OFF if there is no video input when VIDEO: 1, 2 or 3 is selected. Check the Power Light to make sure the TV is turned off when not in use.

To see an auto-demonstration of the on-screen displays with HELP text displayed, press and hold the POWER button on the TV set for approximately five seconds. Press the POWER button on the TV again to end the auto-demonstration.pg. 9

### FRONT PANEL CONTROLS (CONT.)

## POWER light

You will see a red light when the TV is turned on.

## AI (Artificial Intelligence) sensor

The artificial Intelligence sensor will make automatic picture adjustments depending on the amount of light in the room to give the best picture. (See page 55.)

## REMOTE CONTROL Sensor

Point your remote control at this area when selecting channels, adjusting volume, etc.

## MAGIC FOCUS

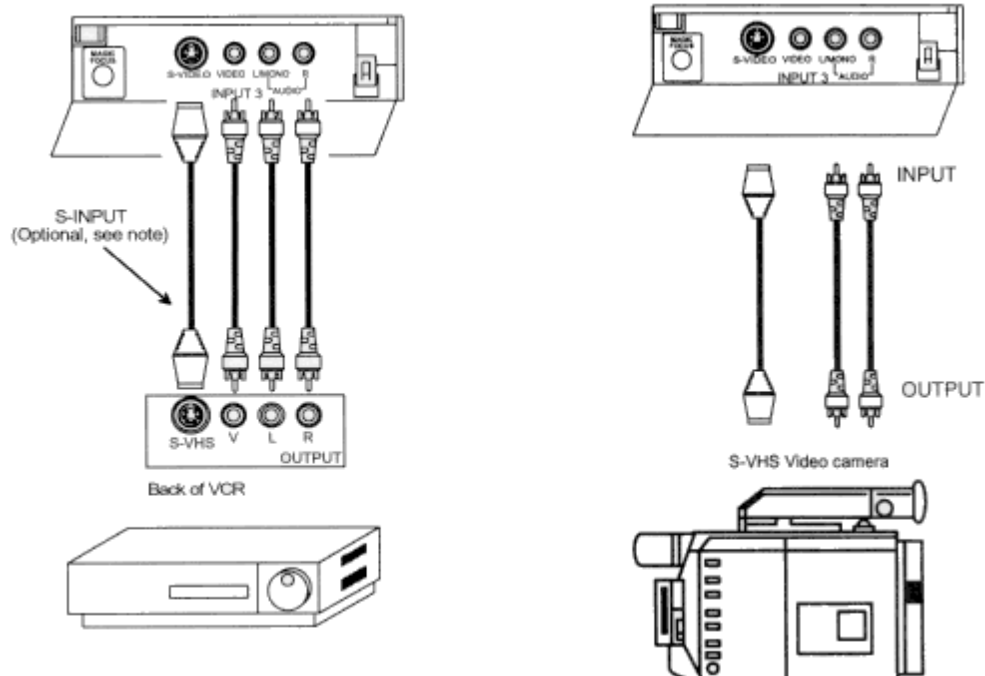
Use this button to adjust your picture quality to optimum performance. (See page 44.)

## FRONT INPUT JACKS (for VIDEO: 3)

Use these audio/video jacks for a quick hook-up from a camcorder or VCR to instantly view your favorite show or new recording. Press the INPUT button until VIDEO: 3 appears in the top right corner of the TV screen. If you have mono sound, insert the audio cable into the left audio jack.

# FRONT PANEL JACKS AND CONNECTIONS

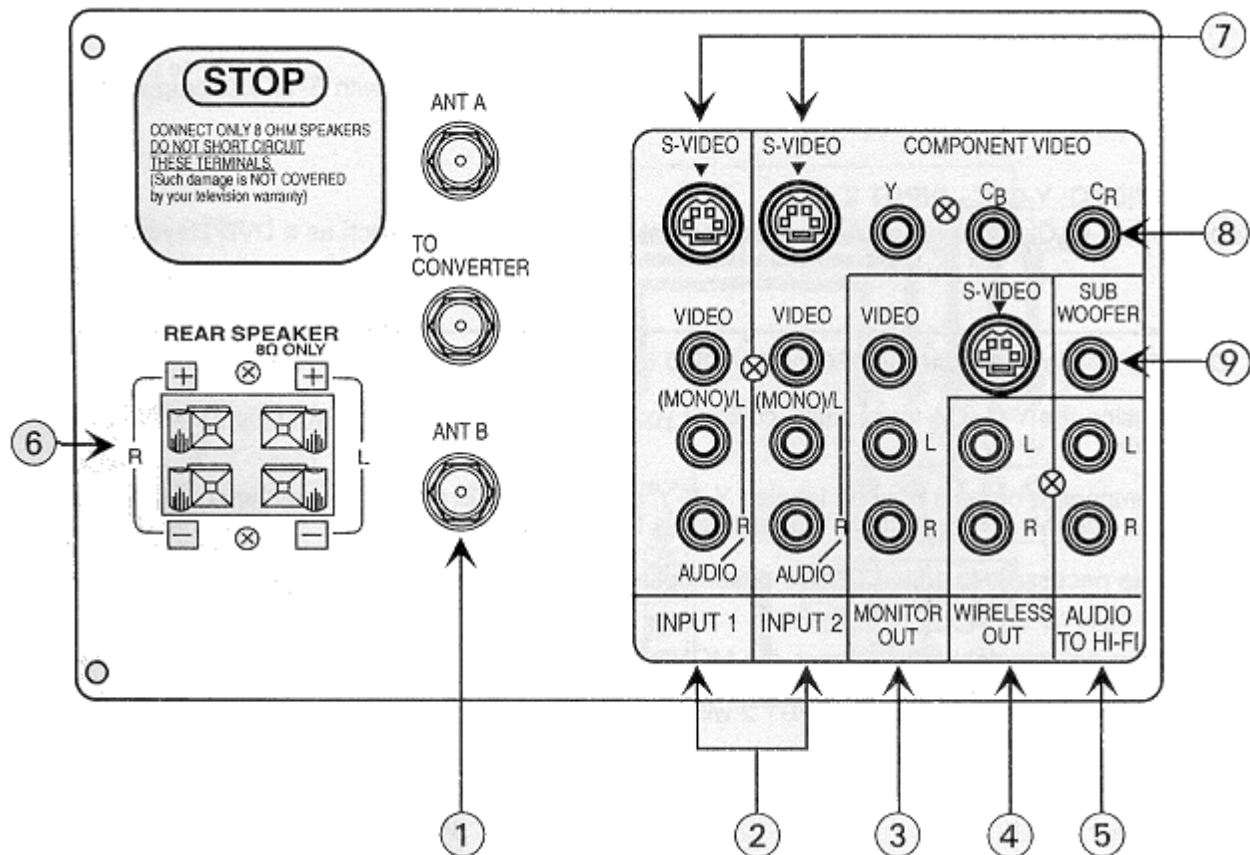
The front panel jacks are provided as a convenience to allow you to easily connect a camcorder or VCR as shown in the following examples.



**NOTE:**

Completely insert connection cord plugs when connecting to front panel jacks. If you do not, the played back picture may be abnormal. If you have a S-VHS VCR, use the S-INPUT cable in place of the standard video cable. If you have a mono VCR, insert the audio cable into the left channel jack of your TV.

## REAR PANEL JACKS



### Antenna Input/Output

The remote control allows you to switch between two separate 75-Ohm RF antenna inputs, ANT A and ANT B. ANT A input can be displayed as a main picture or sub-picture. ANT B can only be displayed as a main picture. (ANT B cannot be displayed as a sub-picture.) The antenna output labeled "TO CONVERTER" allows the ANT A connection to pass directly to a different source such as a cable box, when ANT B is displayed as a main picture.

### Audio/Video Inputs 1 and 2

The INPUT button will step through each video source and antenna source input each time it is pressed. Use the audio and video inputs to connect external devices, such as VCRs, camcorders, laserdisc players, DVD players, etc. (If you have mono sound, insert the audio cable into the left channel jack).

**NOTE:** You may use VIDEO, S-VIDEO, or COMPONENT VIDEO: Y-CB-CR inputs to connect to INPUT 2, but note that only one of these may be used at a time.

### Monitor Out

These jacks provide fixed audio and video signals which are used for recording. To have S-VIDEO, S-VIDEO signal needs to be input to INPUT 1 or INPUT 2, or INPUT 3.

### (4) WIRELESS OUT

These jacks provide variable audio output to a set of wireless speakers. They can also be used for another stereo system amplifier. With this connection, the audio can be controlled by the television's main volume and also by an independent volume feature found in the THEATER-WIRELESS SOUND menu.

### (5) AUDIO TO HI-FI

These jacks provide variable audio output to a separate stereo amplifier. With this connection, the audio to the stereo can be controlled by the television's main volume. Use these jacks for the SURROUND Left and Right channels. (see page 20)

**(6) REAR SPEAKER Terminals**

These terminals are used to connect external speaker, which are used for the surround sound feature. The volume level is controlled by the television's main volume and also by an independent rear volume feature found in the THEATER-

SURROUND menu. Use speaker with 8-Ohm impedance only. pg. 12 REAR PANEL JACKS



**(7) S-VIDEO INPUTS 1 and 2**

Inputs 1 and 2 provide S-Video (Super Video) jacks for connecting equipment with S-VIDEO output capability.

**(8) Component: Y-CB-CR INPUT 2**

INPUT 2 provides Y-CB-CR jacks for connecting equipment with this capability, such as a DVD.

**NOTES:**

DO NOT connect standard VIDEO or S-VIDEO to INPUT 2 when using Y-CB-CR input.

When using the Y-CB-CR input jacks, connect your components audio output to the TV's INPUT 2 Left and Right Audio input jacks.

Your component outputs may be labeled Y, B-Y, and R-Y. In this case, connect the components B-Y output to the TV's CB input and the components R-Y output to the TV's CR input.

It may be necessary to adjust TINT to obtain optimum picture quality when using the Y-CB-CR inputs. (See pages 54 and 55.)

To ensure no copyright infringement, the MONITOR OUT output will be abnormal, when using the Y-CB-CR jacks.

When using the Y-CB-CR jacks, INPUT 2 will be viewed as a blank PIP sub-picture. (see page 26)

**(9) SUB WOOFER**

This jack provides variable audio output to a sub-woofer accessory. With this connection, the audio can be controlled by the television's main volume and also by an independent sub-woofer feature found in the THEATER-SUB WOOFER menu.

## REAR PANEL JACKS

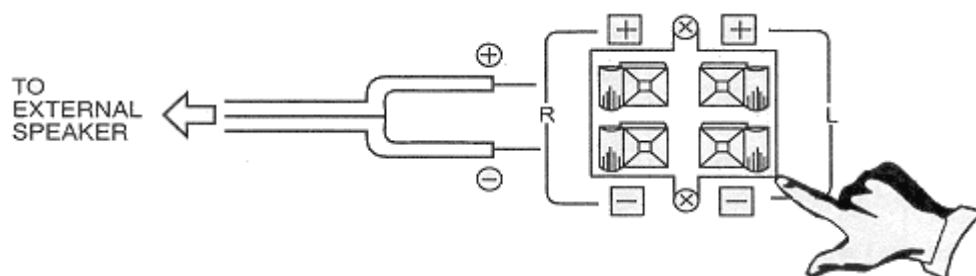


**CONNECT AFTER TURNING THE POWER TO THE TV OFF.**

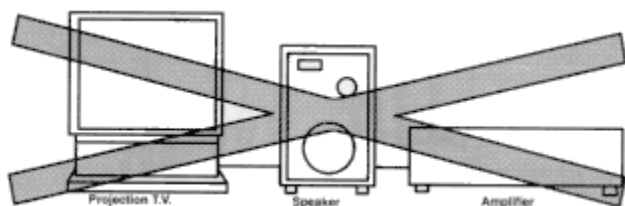
Press the Right Speaker red button and insert the positive (+) lead wire into the hole next to the button. Once the wire is in place, pull the red button back to original position and the wire is locked into place. In the same manner, press the Right Speaker black button and insert the negative (-) lead wire. Repeat this procedure for the Left Speaker.



**CAUTION:** Do not short speaker terminal, (do not connect a wire directly across any two terminals). This could cause damage to your audio outputs or other damage to your TV.



**CAUTION:** Do not connect speakers simultaneously to the REAR SPEAKER terminal of the Projection TV and an external amplifier. This could damage both the TV and the speakers. Your TV was designed to use 8-Ohm speakers only. Any other type may degrade the audio performance of your entertainment system..



## TIPS ON REAR PANEL CONNECTIONS

### TIPS ON REAR PANEL CONNECTIONS

S-Video connections are provided for high performance laserdisc players, VCRs etc., that have this feature. Use these connections in place of the standard video connection if your device has this feature.

If your device has only one audio output (mono sound), connect it to the left audio jack on the TV.

Refer to the operating guide of your other electronic equipment for additional information on connecting your hook-up cables.

A single VCR can be used for VCR #1 and VCR #2, but note that a VCR cannot record its own video or line output. (INPUT 1 in example on page 13.) Refer to your VCR operating guide for more information on line input-output connection.

You may use VIDEO, S-VIDEO, or COMPONENT VIDEO: Y-CB-CR inputs to connect to INPUT 2, but only one of these may be used at a time.

Connect only 1 component to each input jack.

COMPONENT VIDEO: Y-CB-CR connections are provided for high performance components, such as DVD players. Use these connections in place of the standard video connection if your device has this feature.

When using the Y-CB-CR input jacks, connect your components audio output to the TV's INPUT 2 Left and Right Audio input jacks.

Your component outputs may be labeled Y, B-Y, and R-Y. In this case, connect the components B-Y output to the TV's CB input and the components R-Y output to the TV's CR input.



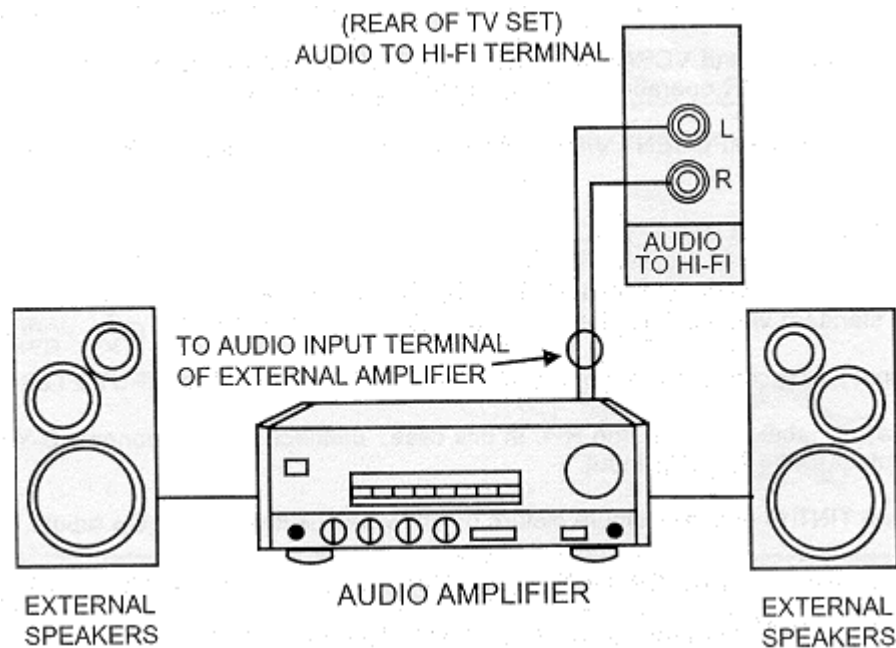
It may be necessary to adjust TINT to obtain optimum picture quality when using the Y-CB-CR inputs. (See pages 54 and 55.)

To ensure no copyright infringement, the MONITOR OUT output will be abnormal, when using Y-CB-CR jacks.

When using the Y-CB-CR jacks, INPUT 2 will be viewed as a blank PIP sub-picture. (see page 26)

## EXTERNAL AUDIO SOURCES

### CONNECTING EXTERNAL AUDIO AMPLIFIER



NOTES: To prevent damage to the speaker and distorted sound, set the volume control of the audio amplifier lower and adjust the sound using the remote control for the TV set.

Do not connect speakers simultaneously to the REAR SPEAKER terminal of the Projection TV and an external amplifier.

## CONNECTING EXTERNAL VIDEO SOURCES

The exact arrangement you use to connect the VCR, camcorder, laserdisc player, DVD player or HDTV Set Top Box to your TV set is dependent on the model and features of each component. Check the owner's manual of each component for the location of video and audio inputs and outputs.

The following connection diagrams are offered as suggestions. However, you may need to modify them to accommodate your particular assortment of components and features. For best performance, video and audio cables should be made from coaxial shielded wire.

### Before Operating External Video Source

The input mode is changed every time the INPUT button is pressed as shown below. Connect an external source to the INPUT terminal, then press the INPUT button as necessary to view the input source. (See page 24.)

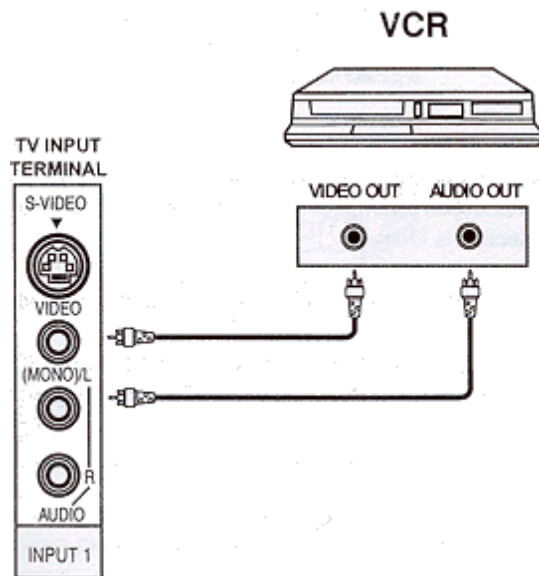
### INPUT MODE SELECTION ORDER



**NOTE:** When TV is set to VIDEO and a video signal is not received from the VIDEO INPUT jack on the jack panel of the TV (i.e., VCR/laserdisc player, etc. is not connected or the video device is OFF), the set will appear to be OFF.

## CONNECTING A MONAURAL AUDIO VCR OR LASERDISC PLAYER

1. Connect the cable from the VIDEO OUT of the VCR or the laserdisc player to the INPUT (VIDEO) jack on the TV set below.
2. Connect the cable from the AUDIO OUT of the VCR or the laserdisc player to the INPUT (MONO)/L(AUDIO) jack.
3. Press the INPUT button to view the program from the VCR or laserdisc player. The VIDEO mode disappears automatically after approximately eight seconds.
4. Press the INPUT button to return to the previous channel.



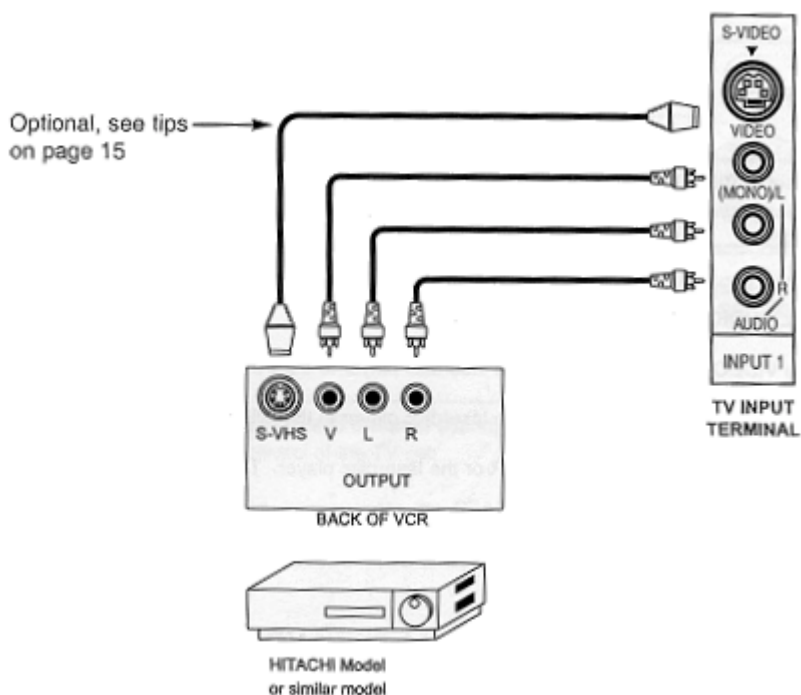
pg. 18 CONNECTING EXTERNAL VIDEO

SOURCES (cont.)



## CONNECTING A STEREO VCR OR STEREO LASERDISC PLAYER

1. Connect the cable from the AUDIO OUT of the VCR or the laserdisc player to the INPUT (VIDEO) jack on the TV set below.
2. Connect the cable from the AUDIO OUT R of the VCR or the laserdisc player to the INPUT (AUDIO/R) jack.
3. Connect the cable from the AUDIO OUT L of the VCR or the laserdisc player to the INPUT (AUDIO/L) jack.
4. Press the INPUT button to view the program from the VCR or laserdisc player. The mode VIDEO disappears automatically after approximately eight seconds.
5. Press the INPUT button to return to the previous channel.



#### NOTES:

Completely insert the connection cord plugs when connecting to rear panel jacks. The picture that is played back will be abnormal if the connection is loose.

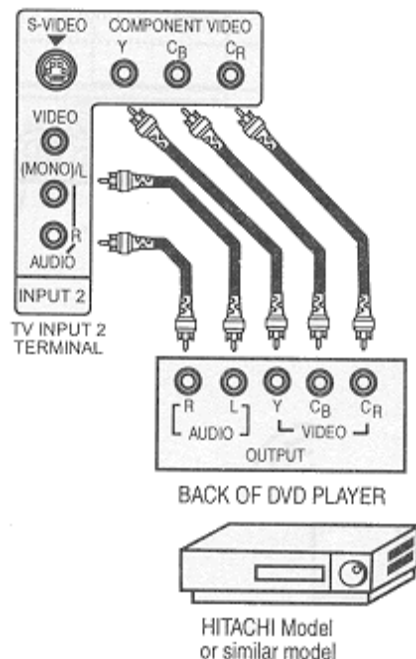
A single VCR can be used for VCR #1 and VCR #2, but note that a VCR cannot record its own video or line output. (INPUT 1 in example on page 13) Refer to your VCR operating guide for more information on line input-output connections.pg. 19

#### CONNECTING EXTERNAL VIDEO SOURCES (cont.)



### CONNECTING A LASERDISC PLAYER OR DVD PLAYER TO INPUT 2.

1. Connect the cable from the Y OUT of the Laserdisc or the DVD player to the INPUT 2 (Y) jack as shown on the TV set below.
2. Connect the cable from the CB OUT or B-Y OUT of the Laserdisc or the DVD player to the INPUT 2 (CB) jack, as shown on the TV set below.
3. Connect the cable from the CR or R-Y OUT or B-Y of the Laserdisc or the DVD player to the INPUT 2 (CR) jack, as shown on the TV set below.
4. Connect the cable from the AUDIO OUT R of the Laserdisc or DVD player to the INPUT 2 (AUDIO/R) jack.
5. Connect the cable from the AUDIO OUT L of the Laserdisc or DVD player to the INPUT 2 (AUDIO/L) jack.
6. Press the INPUT button until VIDEO:2 appears, to view the program from the Laserdisc or DVD player. The VIDEO:2 icon disappears automatically after approximately eight seconds.
7. Press the INPUT button to return to the previous channel.



#### NOTES:

Completely insert the connection cord plugs when connecting to rear panel jacks. The picture that is played back will be abnormal if the connection is loose.

See Page 15 for tips on REAR PANEL CONNECTIONS.

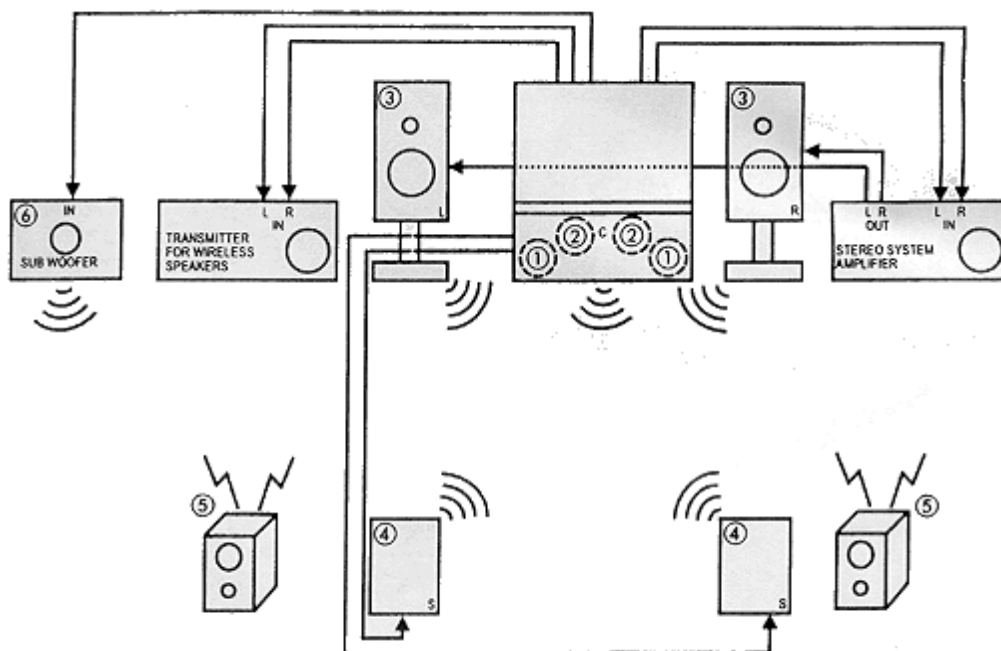
## AUDIO SYSTEM SET-UP

Match the numbers below to the diagrams for speaker placement and refer to the table on page 21 for the different surround sound requirements. (See page 59 for SURROUND functions.)

The television's internal speakers.

The television's internal center channel speakers, which are on only when the television is in SURROUND-PRO LOGIC, or SURROUND-DOLBY 3 STEREO mode.

- (3) These speakers are connected to a separate audio amplifier. Use the AUDIO TO HI-FI output on the TV.
- (4) These speakers are connected to the rear speaker 8 Ohm output on the TV.
- (5) These speakers are controlled by a wireless speaker transmitter. Use the WIRELESS OUT output on the TV.
- (6) This sub woofer is connected to the SUB WOOFER output on the TV.



## AUDIO SYSTEM SET-UP

SURROUND FEATURE	REQUIRED CONNECTION	OPTIONAL CONNECTION	EFFECT
OFF	(1)	(3) (5) (6)	Receive mono and stereo sound.
HALL	(1) (4)	(3) (5) (6)	Gives the listener concert hall sound.
MATRIX	(1) (4)	(3) (5) (6)	Listener has feeling of being at a stadium.
DOLBY PRO LOGIC	(1) (2) (4)	(3) (5) (6)	Movie theater reproduction, with separate left, center, right, and surround speakers.
DOLBY PRO LOGIC* (TV AS CENTER)	(2) (3) (4)	(5) (6)	Movie theater reproduction, with separate left, center, right, and surround channels, with left and right channels added to audio amplifier speakers to improve sound clarity and spatial positioning.
DOLBY 3 STEREO (NORMAL)	(1) (2)	(3) (5) (6)	Movie theater reproductions, surround channel added to left and right audio amplifier speakers.
DOLBY 3 STEREO (TV AS CENTER)	(2) (3)	(5) (6)	Movie theater reproduction, surround channel added to left and right audio amplifier speakers.

Left and right speakers are connected ( 3 ), and the internal speakers ( 1 ) can be disabled, creating better separation between left, center and right channels. The center channel audio will be heard from ( 2 ).

## CLU-574TSI)



In addition to controlling all the functions on your HITACHI Projection TV, the new remote is designed to operate different types of VCRs, CATV (Cable TV) converters, satellite receivers, DVD players, and other audio/video equipment with one touch. Basic operation keys are grouped together in one area.

To operate your TV, point the remote control at the remote sensor of the TV and press the TV button. The TV button will blink, indicating that the remote will now control your television.

To operate your VCR, point the remote at the remote sensor of the VCR and press the VCR button. The VCR button will blink, indicating that the remote will now control your VCR. (See page 29 for instructions on how to program the remote to control your VCR.)

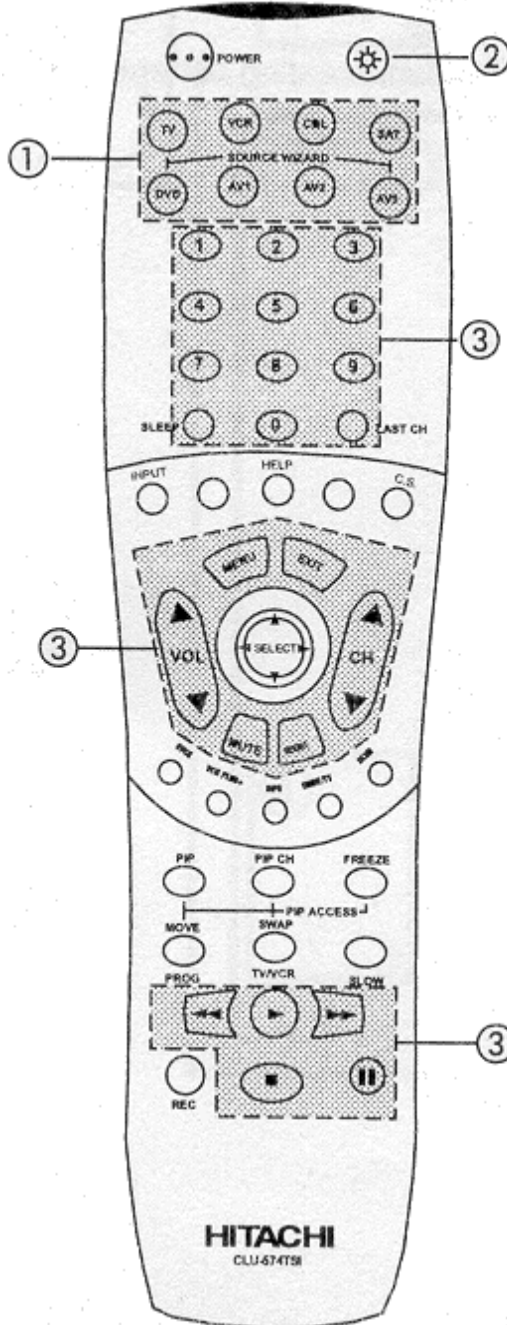
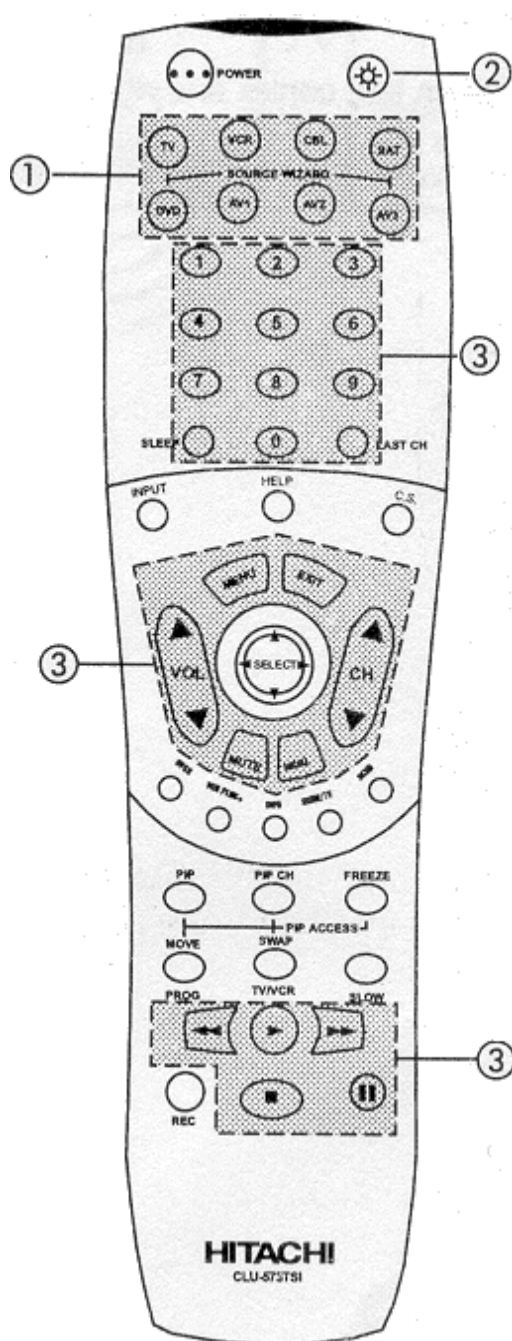
To operate your cable box, point the remote at the remote sensor of the cable box and press the CABLE (CBL) button. The CBL button will blink, indicating that the remote will now control your cable box. (See page 30 for instructions on how to program the remote to control your cable box.)

To operate your satellite receiver, point the remote at the remote sensor of the satellite receiver and press the SATELLITE (SAT) button. The SAT button will blink, indicating that the remote will now control your satellite receiver. (See page 31 for instructions on how to program the remote to control your satellite receiver.)

To operate your DVD player, point the remote at the remote sensor of the DVD player and press the DVD button. The DVD button will blink, indicating that the remote will now control your DVD player. (See page 32 for instruction on how to program the remote to control your DVD player.)

To operate additional audio/video equipment, point the remote at the remote sensor of the component and press the AV1, AV2 or AV3 button. This button will blink, indicating that the remote will now control the desired component. (See page 33 for instructions on how to program the remote to control additional audio/video equipment.)





(1) These buttons allow the remote to control your TV, VCR, cable box, satellite receiver, DVD player, or other audio/video equipment depending on which mode is chosen, as explained above.

**(2), (3) LIGHT BUTTON**  
When you are in a dark room, press the light button (2) on the side of the remote to light up the buttons shown in (3) and the source button will blink. The light will stay on for about 8 seconds if the light button is not pressed again. These buttons will not appear to light if the room is too bright.

[Click here for CLU-573TSI.](#)

[Click here for CLU-574TSI.](#)

### (1) POWER Button

Press this button to turn the TV set on or off when the remote is in TV mode. (See page 22 for instructions on how to set the remote control to TV mode.) If a SPECIAL EVENT REMINDER is set, it will be displayed when the TV is first turned on. (see page 64)

### (2) TV button

When the TV button is pressed, it will blink, to indicate the remote is in TV mode.

### (3) VCR button

When the VCR button is pressed, it will blink to indicate the remote is in VCR mode. (See page 29)

#### (4) CABLE button

When the CABLE button is pressed, it will blink to indicate the remote is in CABLE mode. (See page 30)

#### (5) SAT button

When the SAT button is pressed, it will blink, to indicate the remote is in satellite mode. (See page 31)

#### (6) DVD button

When the DVD button is pressed, it will blink, to indicate the remote is in DVD mode. (See page 32)

#### (7) AV1, AV2, AV3 buttons

When pressed, each of these buttons will blink to indicate the remote is in Audio/Video mode.

#### (19) VOLUME, MUTE button

Press the VOLUME up (▲) or down (▼) button until you obtain the desired sound level.

To reduce the sound to one half of normal volume (SOFT MUTE) to answer the telephone, etc., press the MUTE button. Press the MUTE button again to turn the sound off completely (MUTE). To restore the sound, press the MUTE button one more time, or press the VOLUME up (▲) button.



#### (9) CHANNEL selector buttons

CHANNEL selector buttons are used to set FAMILY FAVORITES, CHANNEL MEMORY, etc.

Enter one, two or three numbers to select channels. Enter "0" first for channels 1 to 9. For channels 100 and above, press the "1" button, wait until two dashes appears next to the channel display on your TV, then enter the remaining two numbers using the number buttons.

Channel selection may also be performed by pressing CH up (▲) or down (▼).

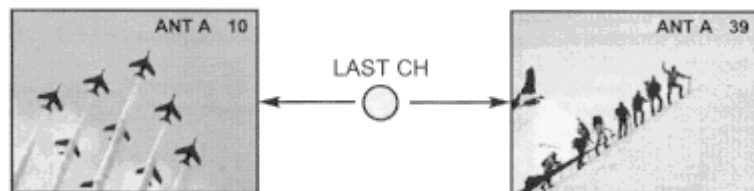
**NOTE:** The TV may not receive some channels if you are not in the correct SIGNAL SOURCE mode. (See page 39.)

#### (10) SLEEP button

Press this button to display the sleep timer in the lower left corner of the screen. Every subsequent press of this button will add 15 minutes to this timer, up to a maximum of three hours. Once set, use RECALL when you want to view time remaining. If the SLEEP button is pressed while the timer is set, it will reset to the original condition.

#### (11) LAST CHANNEL (LAST CH) button

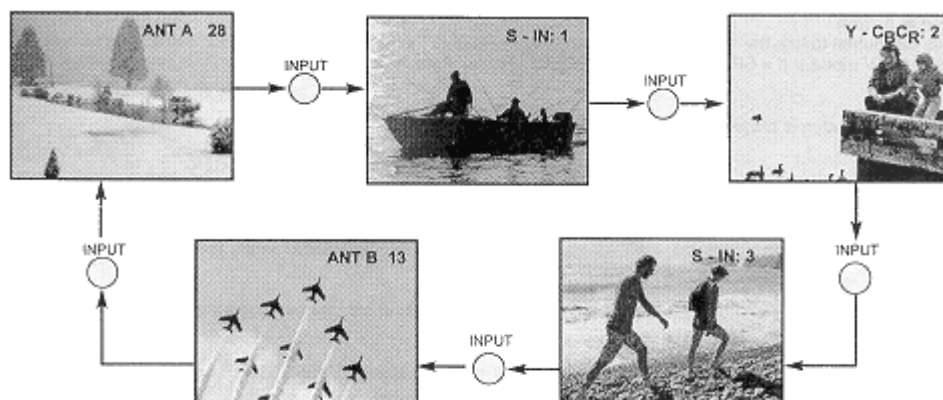
Use this button to select between the last two channels viewed. (Good for watching two sporting events, etc.)



#### (12) INPUT button

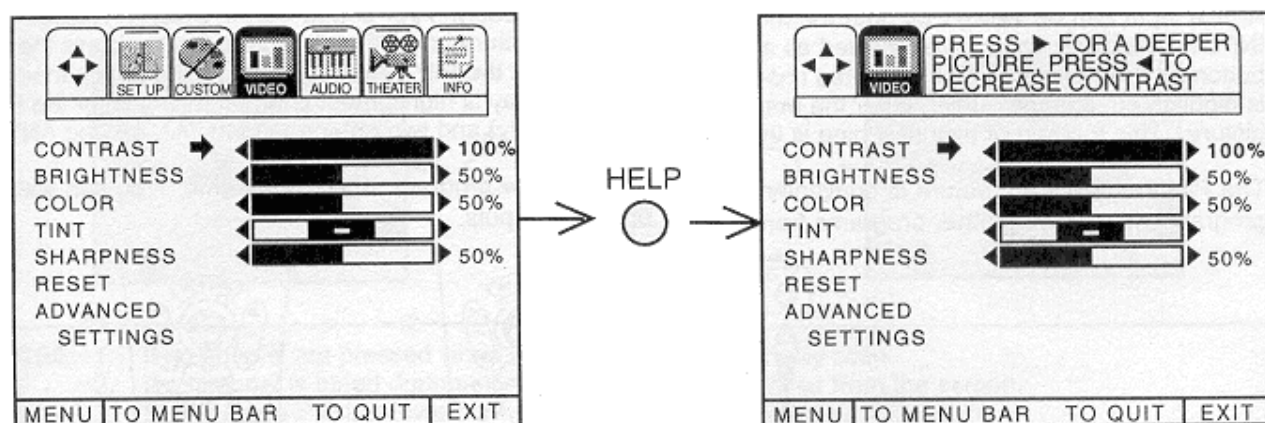
The INPUT button will select between antenna signal and the three sets of video input jacks each time the button is pressed. If the Picture-in-Picture is on, the INPUT button will select between the three sets of video input jacks and both antenna sources when main channel is chosen with the PIP CH button. If the sub-picture is chosen, the INPUT button will select between the three sets of video input jacks and the ANT A source (ANT B source cannot be displayed as a PIP sub-picture and COMPONENT VIDEO: Y-CB-CR INPUT 2 source will be displayed as a blank PIP Sub picture.)





### (13) HELP button

Press this button when a menu is displayed to view HELP text, which gives a description of the displayed menu. The HELP text will be displayed every time a MENU is displayed, until this button is pressed again.



### (14) COMMERCIAL SKIP (S.C.) button

Press this button repeatedly to select channel skip time (30-180 seconds) when no menu is displayed and the TV will tune to the last channel viewed when the selected amount of time is up. The user can change stations "SURF" to any station they wish, and after the selected amount of time, the TV will tune back to the original channel.

### (15) MENU button and THUMB STICK

All the On-Screen display features can be set or adjusted by using these buttons.

The MENU button will start the On-Screen Display.

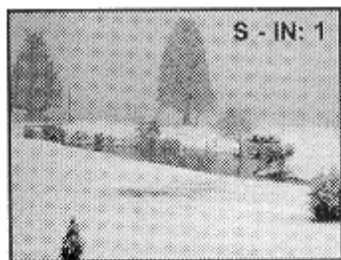
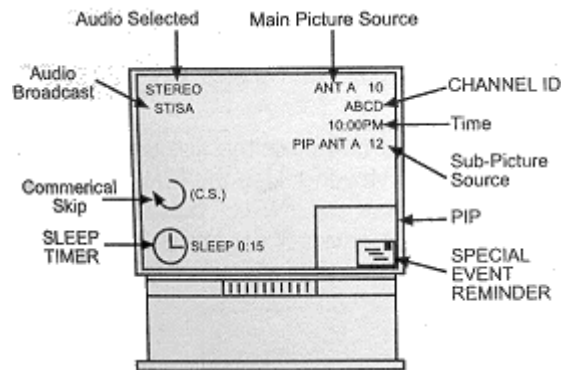
The THUMB STICK will highlight functions or adjust and set different features. Press the THUMB STICK toward desired direction and press down to select.

### (16) EXIT button

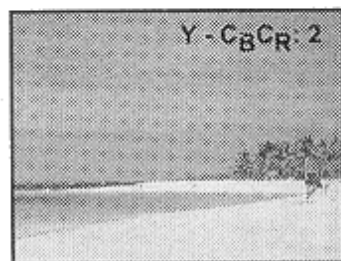
When in MENU mode, this button will exit all On-Screen Displays.

### (17) RECALL button

Press this button when no menu is displayed, when you want to check the channel being received, the picture source, or if the channel has stereo (ST) or second audio (SAP), the time, CHANNEL ID, if the Commercial Skip (C.S.) is activated, if SPECIAL EVENT REMINDER is set, and if the SLEEP timer is set.



When an S-VIDEO Input is connected to VIDEO: 1.



When an COMPONENT VIDEO: Y-CB-CR Input is connected to VIDEO: 2.

#### (18) PICTURE-IN-PICTURE buttons

See separate section on page 26 for a description.

#### (19) PIP CH buttons

Use the PIP CH button to select between main picture and sub-picture and sub-picture tuning. The channel number which is highlighted indicates what channel is being controlled.

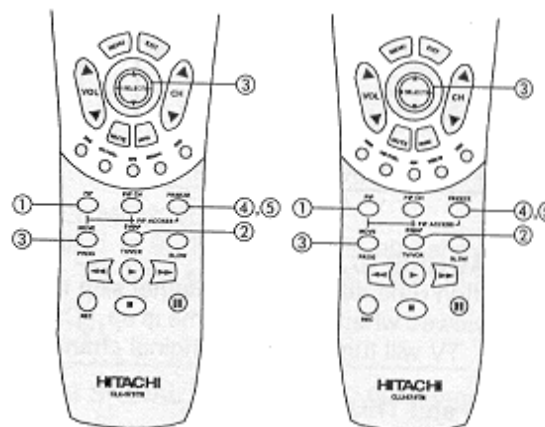
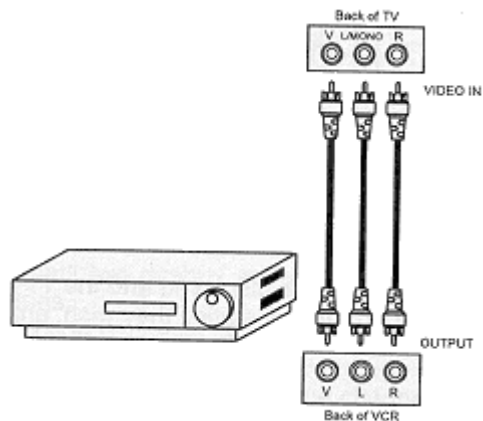
(20) These buttons are not used on Remote Control CLU-574TSI.

## PICTURE-IN-PICTURE (PIP)

Your HITACHI Projection TV incorporates Dual Tuner technology designed for improved viewing enjoyment. This Dual Tuner feature allows you to view antenna inputs on both the main picture and sub-picture simultaneously, with separate tuning control for each. The Dual Tuner can operate with only one input (ANT A only) or two inputs (ANT A and ANT B).

ANT A input can be viewed as both the main picture and the sub-picture simultaneously. ANT B and COMPONENT VIDEO: Y:CB-CR INPUT 2 sources can only be viewed as a main picture. To select between main picture and PIP sub-picture tuning, press the PIP CH button on the remote. The highlighted channel display will move with every press of the PIP CH button. When the top channel display is highlighted, channel tuning is for the main picture. When the lower channel display is highlighted, channel tuning is for the PIP sub-picture. This method of picture tuning is the same for one antenna input (ANT A only) and two antenna inputs (ANT A and ANT B).

The Picture-in-Picture feature is convenient when you want to watch more than one program at the same time. You can watch a TV program while viewing other programs from the ANT A source or any of the video inputs.

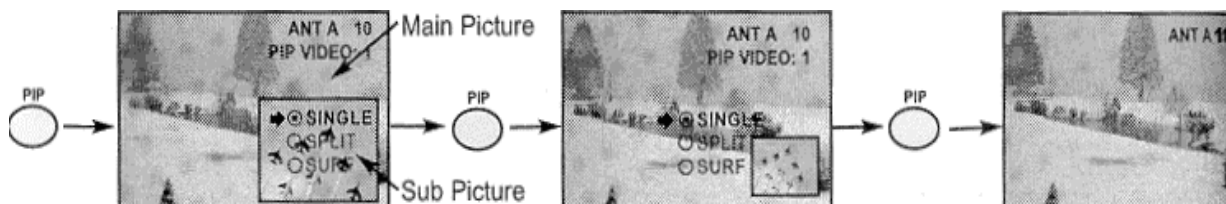


### (1) PIP button

Press the PIP button and a sub-picture will appear in one of the three different modes (SINGLE, SPLIT or SURF), depending on the last selection of the PIP mode. To change the PIP mode use the THUMB STICK ▲ or ▼ and the new selection will appear the next time the PIP function is used.

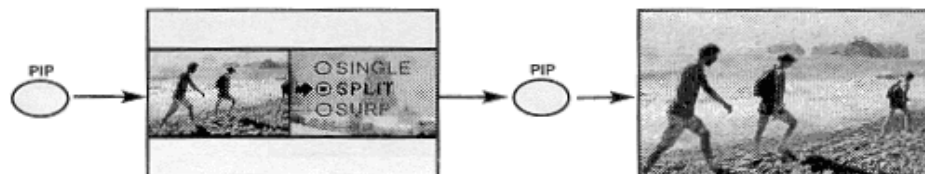
### SINGLE MODE PIP

Press the PIP button and a sub-picture appears in one corner of the screen. Press the button again to reduce the size of the sub-picture. Use the PIP button a third time to remove the sub-picture from the screen. Press the INPUT button when sub-picture channel tuning is controlled, to change between VIDEO: 1, VIDEO: 2, VIDEO: 3 and ANT A antenna source. (ANT B source cannot be viewed as a sub-picture and COMPONENT VIDEO: Y-CB-CR INPUT 2 source will be displayed as a blank sub-picture).



### SPLIT MODE PIP

When you press the "PIP" button, the main channel and the PIP sub-picture will appear at the center of the screen (main channel on left side and sub-picture on right side). Press the "PIP" button a second time to return to normal viewing. Use the PIP CH button to select between main and sub-picture tuning control (indicated by highlighted channel display). Press the INPUT button when sub-picture channel tuning is being controlled, to change between VIDEO: 1, VIDEO: 2, VIDEO: 3, and ANT A antenna source. (ANT B source cannot be viewed as a sub-picture and COMPONENT VIDEO: Y-CB-CR INPUT 2 source will be displayed as a blank sub-picture).



### NOTES:

1. Since ANT B source cannot be viewed as a sub-picture, only SPLIT mode PIP is possible when ANT B is selected as the main channel.
2. When ANT B is selected as a main channel, the SWAP feature is disabled.
3. When the COMPONENT VIDEO: Y-CB-CR INPUT 2 is selected as PIP, it will appear as a blank sub-picture.
4. When tuned to VIDEO:2 with COMPONENT VIDEO: (Y-CB-CR) you will not be able to access the PIP functions.
5. Only sound from main picture can be heard, unless you choose sub-picture audio from the THEATER-WIRELESS SOUND mode and use the WIRELESS OUT outputs on the rear panel.

### PICTURE-IN-PICTURE CONT.

## SURF MODE PIP

This feature will automatically scan all active channel number (those set in memory) and display them as PIP sub-pictures, along the right edge of the screen. Press the PIP button a second time to remove the sub-pictures from the screen.

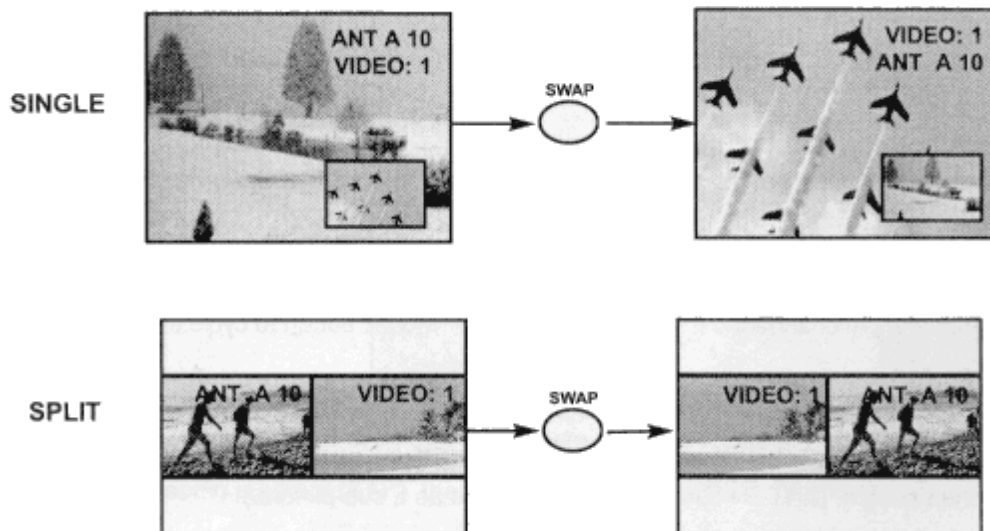


### NOTES:

1. If no buttons are pressed when in SURF mode, auto-scanning will continuously scan channels in memory.
2. If a channel is tuned during this SURF scanning, sub-pictures will be removed from the screen.
3. SURF mode PIP is allowed only when ANT A is selected as the main channel.
4. If PARENTAL CONTROL MOVIE/TV RATINGS setting is ON, PIP SURF mode will be deactivated.

## (2) SWAP Button

If you wish to switch what is being shown on the main picture to the sub-picture, press the SWAP button.

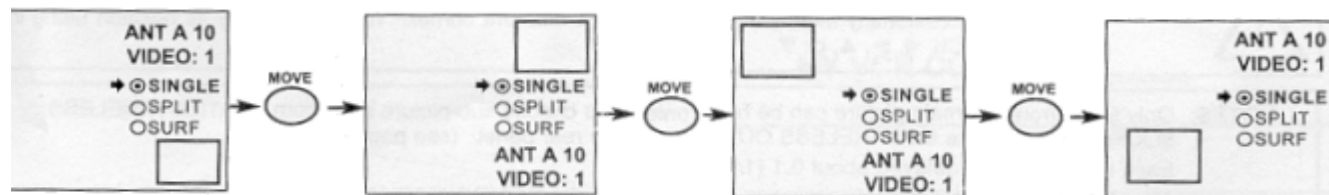


### NOTES:

1. The SWAP button will only operate when SINGLE PIP mode or SPLIT PIP mode is chosen.
2. The SWAP function will not operate if ANT B input is set as the main channel (ANT B input cannot be displayed as a sub-picture).

## (3) MOVE button

To move the sub-picture to another corner, press the MOVE button. The sub-picture moves one step counterclockwise every time the MOVE button is pressed. (Example below illustrates the MOVE operation for initial shipping conditions. If you have customized a PIP position, the MOVE operation may differ slightly from this example.)





#### (4) FREEZE button (With PIP ON)

If you wish to freeze the sub-picture, press the FREEZE button. This is convenient when trying to write down the address for a mail order company, recording statistics for a sporting event, etc. To return the picture to motion, press the FREEZE button again.

#### NOTE:

The FREEZE function will only operate when SINGLE PIP or SPLIT PIP mode is chosen.

#### (5) FREEZE button (With PIP OFF)

Press the FREEZE button to freeze the picture depending on the mode selected (SINGLE, SPLIT or STROBE).

To change FREEZE modes, use the THUMB STICK ▲ or ▼ to select which type of FREEZE mode you wish to view. The new selection will appear the next time the FREEZE function is used.

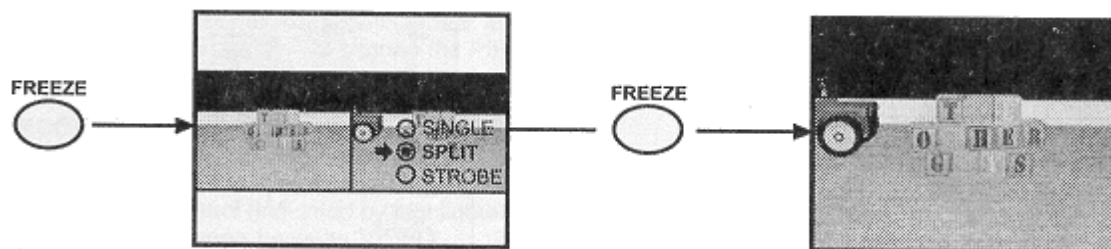
#### SINGLE FREEZE

Press the FREEZE button to freeze the picture you are currently viewing. Press this button again or PIP to return to normal viewing.



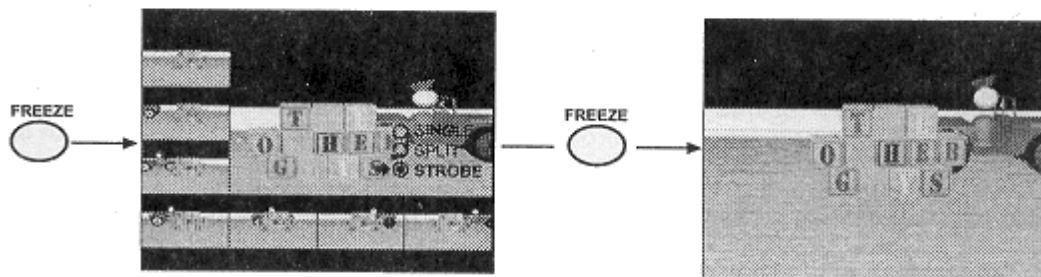
#### SPLIT FREEZE

Press the FREEZE button to freeze the picture you are currently viewing. (Only the left sub-picture will freeze). Press this button again or PIP to return to normal viewing.



#### STROBE FREEZE

Press the FREEZE button to freeze three frames of the picture you are currently viewing. Press this button again or PIP to return to normal viewing. This feature is useful for viewing a moving picture that has many details, for example, a close play in a sporting event or a golf swing.



**CAUTION:** A pattern burn may develop if the sub-picture is left in the same corner permanently. If the PIP feature is used frequently, occasionally MOVE the sub-picture to a different corner. You may also vary its position using the THUMB STICK ◀, ▶, ▲, or ▼.

#### NOTES:

Only sound from the main picture can be heard, unless you choose sub-picture audio from the THEATER-

WIRELESS SOUND mode and use the WIRELESS OUT outputs on the rear panel. (see page 62)  
Each freeze frame is delayed about 0.1 (1/10) second.  
The FREEZE function will display blank sub-pictures when the COMPONENT VIDEO: Y-CB-CR INPUT 2 source is set as main channel.

## USING THE REMOTE TO CONTROL VCR FUNCTIONS

### Operating the precoded function for your VCR.

This remote is designed to operate different types of VCRs. You must first program the remote to match the remote system of your VCR. (refer to page 34 for pre-codes)

1. Turn ON your VCR.
2. Aim the remote control at the front of your VCR.
3. Press and release the VCR button to switch to the VCR pre-coded mode.
4. Hold down the VCR button on the remote, enter the two digit preset code that matches your VCR, as shown on page 34. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the VCR and press the POWER button. The remote will turn off your VCR when the correct two digit preset code is entered. When this occurs, the remote control is programmed for your VCR. If the VCR does not turn off, try a different two digit preset code.
6. The remote will now control your VCR.

#### NOTES:

1. If your VCR cannot be operated after performing the above procedures, your VCR's code has not been precoded into the remote.
2. In the unlikely event that your VCR cannot be operated after performing the above procedures, please consult your VCR operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure as stated above.
4. The LAST CH button will act as your VCR ENTER button if required.
5. The SLEEP button will act as your VCR '100' button if required.

[Click here for remote CLU-573TSI.](#)

[Click here for remote CLU-574TSI.](#)

#### (1) VCR Button

This button allows the remote to control your VCR by setting it to VCR mode.

#### (2) PRECODED VCR Buttons

These buttons transmit the chosen precoded VCR codes. For some VCRs, you must press the RECORD button twice to record a program.

#### (3) EXCLUSIVE TV Buttons

These buttons are for operating the TV.

**MY VCR CODE IS:** \_\_\_\_\_

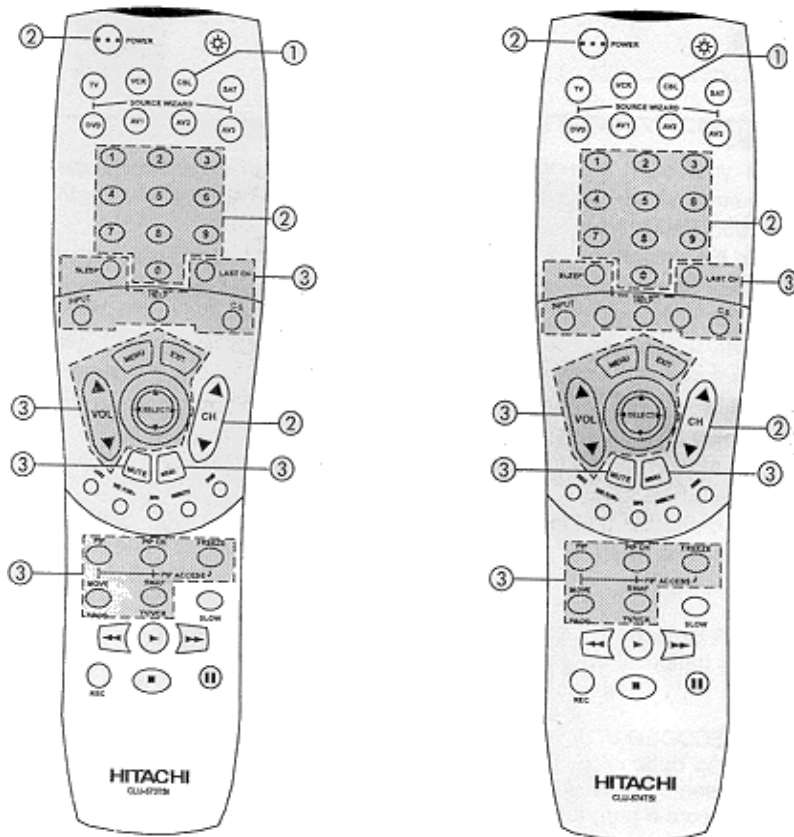
NOTE: Refer to instruction manual of the VCR for operation of the buttons exclusively for the VCR.

## USING THE REMOTE TO CONTROL CABLE BOX FUNCTIONS

### Operating the precoded function for your cable box.

This remote is designed to operate different types of cable boxes. You must first program the remote to match the remote system of your cable box. (Refer to page 34.)

1. Turn ON your cable box.
2. Aim the remote control at the front of your cable box.
3. Press the CBL button to switch to Cable pre-coded mode.
4. Hold down the CBL button on the remote and enter the two digit preset code that matched your Cable box as shown on page 34. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the cable box and press the POWER button. The remote will turn off your Cable box when the correct two digit preset code is entered. When this occurs, the remote control is programmed for your Cable box. If the Cable box does not turn off, try a different two digit preset code.
6. The remote will now control your Cable box.



#### NOTES:

1. If your cable box cannot be operated after performing the above procedures, your cable box code has not been precoded into the remote.
2. In the unlikely event that your cable box cannot be operated after performing the above procedures, please consult your cable box operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure stated above.
4. The LAST CH button will act as your cable box ENTER button if required.
5. The SLEEP button will act as your audio components '100' button if required.

#### (1) CABLE (CBL) Button

This button allows the remote to control your cable box by setting it to CABLE mode.

#### (2) PRECODED CABLE Box buttons

These buttons transmit the chosen precoded cable codes.

### (3) EXCLUSIVE TV buttons

These buttons are for operating the TV.

**MY CABLE BOX CODE IS:** \_\_\_\_\_

NOTE: Refer to instruction manual of the Cable Box for operation of the buttons exclusively for the Cable Box.

## USING THE REMOTE TO CONTROL SATELLITE RECEIVER FUNCTIONS

### Operating the precoded function for your satellite receiver.

This remote is designed to operate different types of satellite systems. You must first program the remote to match the remote system of your satellite receiver. (refer to page 34.)

1. Turn ON your satellite receiver.
2. Aim the remote control at the front of your satellite receiver.
3. Press and release the SATELLITE (SAT) button on the remote to switch to satellite pre-coded mode.
4. Hold down the SAT button on the remote and enter the two digit preset code that matches your satellite receiver as shown on page 34. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the Satellite receiver and press the POWER button. The remote will turn off your Satellite receiver when the correct two digit preset code is entered. When this occurs, the remote control is programmed for your Satellite receiver. If the Satellite receiver does not turn off, try a different two digit preset code.
6. The remote will now control your Satellite receiver.

#### NOTES:

1. If your satellite receiver cannot be operated after performing the above procedures, your satellite receiver code has not been precoded into the remote.
2. In the unlikely event that your satellite receiver cannot be operated after performing the above procedures, please consult your satellite receiver operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure stated above.
4. The INPUT button will act at the TV/SAT button when in SAT mode.

#### (1) SATELLITE (SAT) button

This button allows the remote to control your satellite receiver by setting it to SATELLITE mode.

#### (2) PRECODED SATELLITE RECEIVER buttons

These buttons transmit the chosen precoded cable codes.

#### (3) EXCLUSIVE TV buttons

These buttons are for operating the TV.

**MY SATELLITE RECEIVER CODE IS:** \_\_\_\_\_

NOTE: Refer to instruction manual of the Satellite Receiver for operation of the buttons exclusively for the Satellite Receiver.

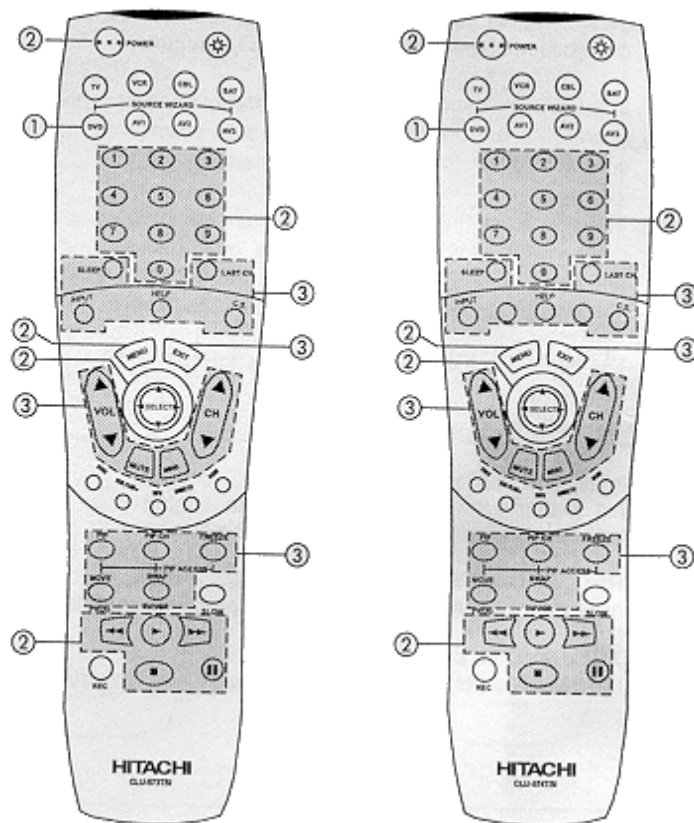
## USING THE REMOTE TO CONTROL DVD FUNCTIONS



## Operating the precoded function for your DVD player.

This remote is designed to operate different types of DVD players. You must first program the remote to match the remote system of your DVD player. (refer to page 34 for precodes)

1. Turn ON your DVD player.
2. Aim the remote control at the front of your DVD player.
3. Press and release the DVD button to switch to DVD pre-coded mode.
4. Hold down the DVD button on the remote and enter the two digit preset code that matches your DVD player, as shown on page 34. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the DVD player and press the POWER button. The remote will turn off your DVD player when the correct two digit preset code is entered. When this occurs, the remote control is programmed for your DVD player. If the DVD player does not turn off, try a different two digit preset code.
6. The remote will now control your DVD player.



### NOTES:

1. If your DVD player cannot be operated after performing the above procedures, your DVD player code has not been precoded into the remote.
2. In the unlikely event that your DVD player cannot be operated after performing the above procedures, please consult your DVD player operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure stated above.

#### (1) DVD Button

This button allows the remote to control your DVD player by setting it to DVD mode.

#### (2) PRECODED DVD Buttons

These buttons transmit the chosen precoded DVD codes.

### (3) EXCLUSIVE TV Buttons

These buttons are for operating the TV.

**MY DVD PLAYER CODE IS:** \_\_\_\_\_

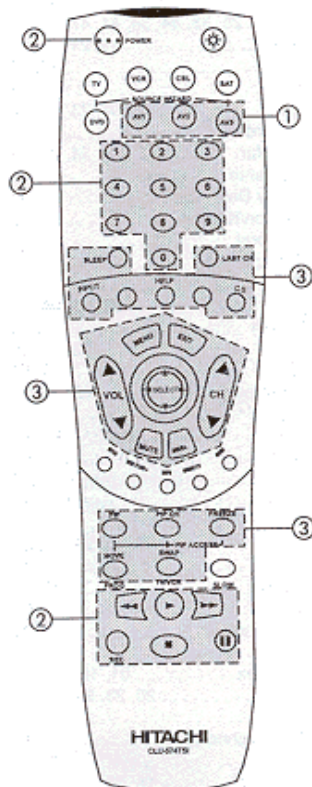
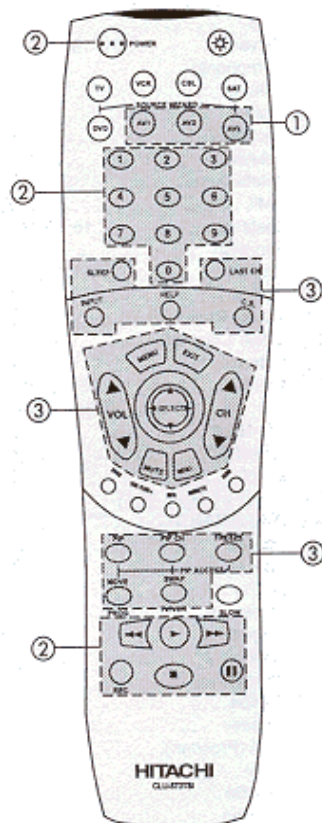
NOTE: Refer to instruction manual of the DVD player for operation of the buttons exclusively for the DVD player.

## USING THE REMOTE TO CONTROL ADDITIONAL AUDIO/VIDEO EQUIPMENT

### Operating the precoded function for your Audio/Video component.

This remote is designed to operate different types of AUDIO/VIDEO EQUIPMENT. You must first program the remote to match the remote system of your AUDIO/VIDEO EQUIPMENT. (refer to page 37.)

1. Turn ON your AUDIO/VIDEO EQUIPMENT.
2. Aim the remote control at the front of your AUDIO/VIDEO EQUIPMENT.
3. Press and release the AV1, AV2 or AV3 button to switch to AUDIO/VIDEO EQUIPMENT pre-coded mode.
4. Hold down the AV1, AV2 or AV3 button on the remote and enter the two digit preset code that matches your AUDIO/VIDEO EQUIPMENT, as shown on page 34. The indicator light will flash 3 times if the code was accepted.
5. Aim the remote at the Audio/Video component and press the POWER button. The remote will turn off your AUDIO/VIDEO EQUIPMENT when the correct two digit preset code is entered. When this occurs, the remote control is programmed for your AUDIO/VIDEO EQUIPMENT. If the AUDIO/VIDEO EQUIPMENT does not turn off, try a different two digit preset code.
6. The remote will now control your AUDIO/VIDEO EQUIPMENT.
7. Repeat steps 1 - 6 if you wish to program the remote to control another audio/video component. Be sure to use a different A/V button on the remote, since only one component can be programmed per button.



**NOTES:**

1. If your Audio/Video component cannot be operated after performing the above procedures, your Audio/Video component code has not been precoded into the remote.
2. In the unlikely event that your Audio/Video component cannot be operated after performing the above procedures, please consult your Audio/Video equipment operating guide.
3. The remote control will remember the codes you have programmed until the batteries are removed from the remote control. After replacing the batteries repeat the entire programming procedure stated above.

**(1) AV1, AV2, AV3 Button**

These buttons allow the remote to control your audio/video equipment by setting it to audio/video mode.

**(2) PRECODED AUDIO/VIDEO Buttons**

These buttons transmit the chosen precoded audio/video component codes.

**(3) EXCLUSIVE TV Buttons**

These buttons are for operating the TV.

**MY AUDIO/VIDEO EQUIPMENT CODE IS:**    **AV1** \_\_\_\_\_  
  **AV2** \_\_\_\_\_  
  **AV3** \_\_\_\_\_

NOTE: Refer to instruction manual of the Audio/Video equipment for operation of the buttons exclusively for the Audio/Video equipment.

## **CABLE/SATELLITE, VCR, AUDIO AND DVD CODES (CLU-573TSI and CLU-574TSI)**

### **VCR BRANDS**

Adventura	01
Aiko	09
Aiwa	01
Akai	02, 47, 48
American High	23
Asha	44
Audiovox	24
Beaumarck	44
Bell & Howell	32
Brandt	42
Broksonic	33, 34, 41, 49, 50
Calix	24
Canon	23
Capehart	07
Carver	31
CCE	09, 30
Citizen	09, 24
Colt	30
Craig	19, 24, 30, 44

Curtis Mathes	02, 23, 46
Cybernex	44
Daewoo	07, 09, 17, 37
Daytron	07
Dynatech	01
Electrohome	24
Electrophonic	24
Emerex	08
Emerson	01, 09, 13, 16, 24, 27, 28, 33, 36, 41, 47, 49, 50
GE	04, 23, 40, 46
Gerrard	01
Goldstar	24, 25, 43
Gradiente	01
Harley Davidson	01
Harman/Kardon	25
Harwood	30
Headquarter	18
Hi-Q	19
Hitachi	02, 03, 04, 05
Jensen	02
JVC	02, 14, 26
KEC	09, 24
Kenwood	02, 25, 26
KLH	30
Kodak	23, 24
Lloyd	01
Lloyd's	27
Logik	30
LXI	24
Magnavox	15, 23, 29, 31, 35
Magnin	44
Marantz	23, 31
Marta	24
Matsushita	23
MEI	23
Memorex	01, 15, 18, 19, 20, 23, 24, 32, 44
MGA	16, 47
MGN Technology	44
Minolta	03, 05
Mitsubishi	16, 26, 39, 47, 48
Motorola	20, 23
MTC	01, 44
Multitech	01, 30
NEC	02, 06, 25, 26, 32
Nikko	24
Noblex	44
Olympus	12, 23